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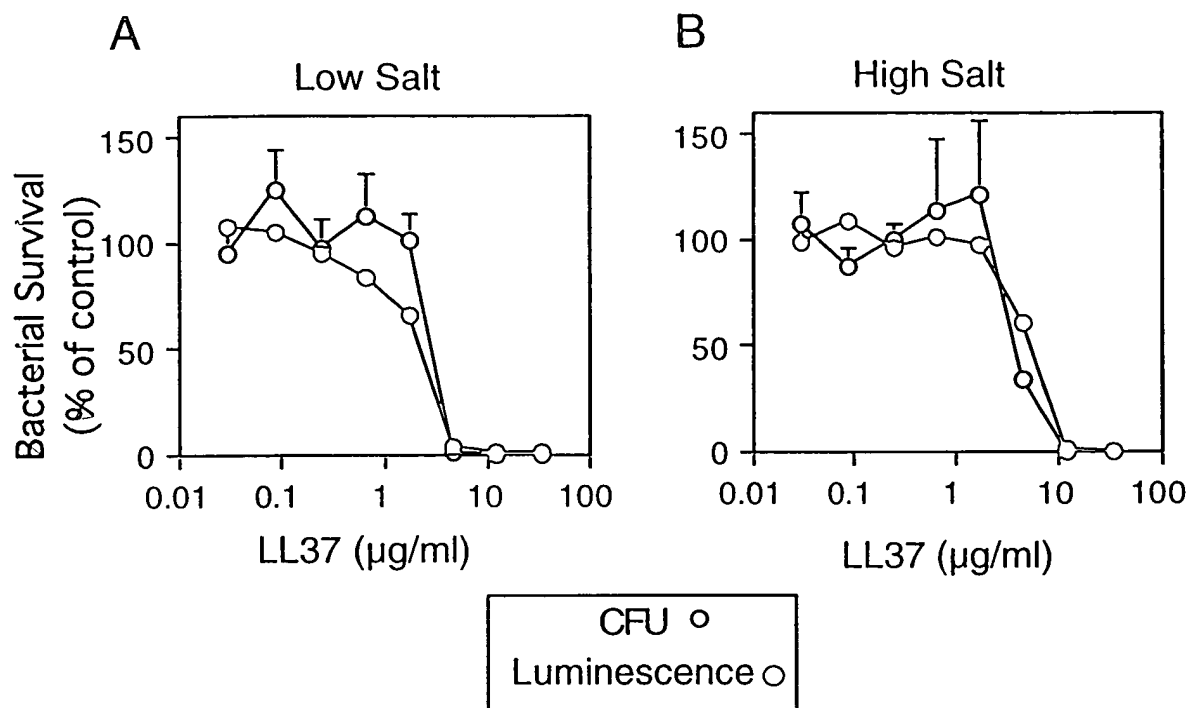
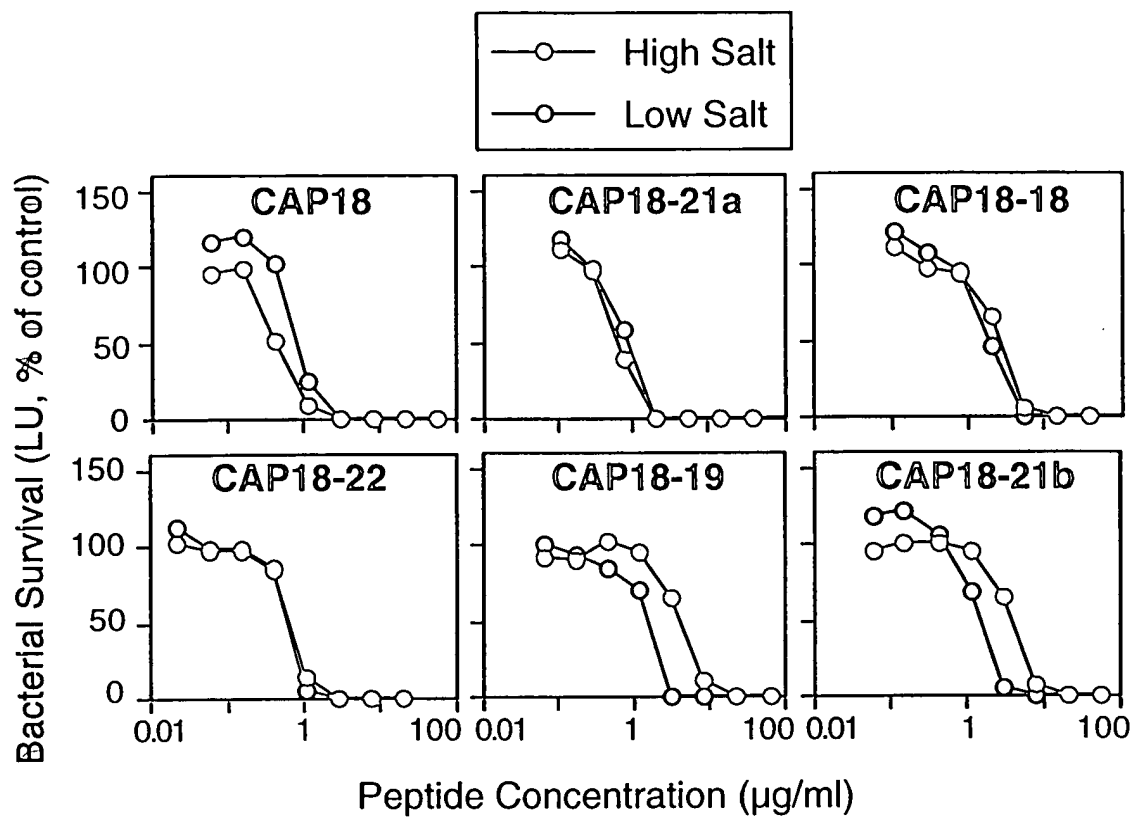
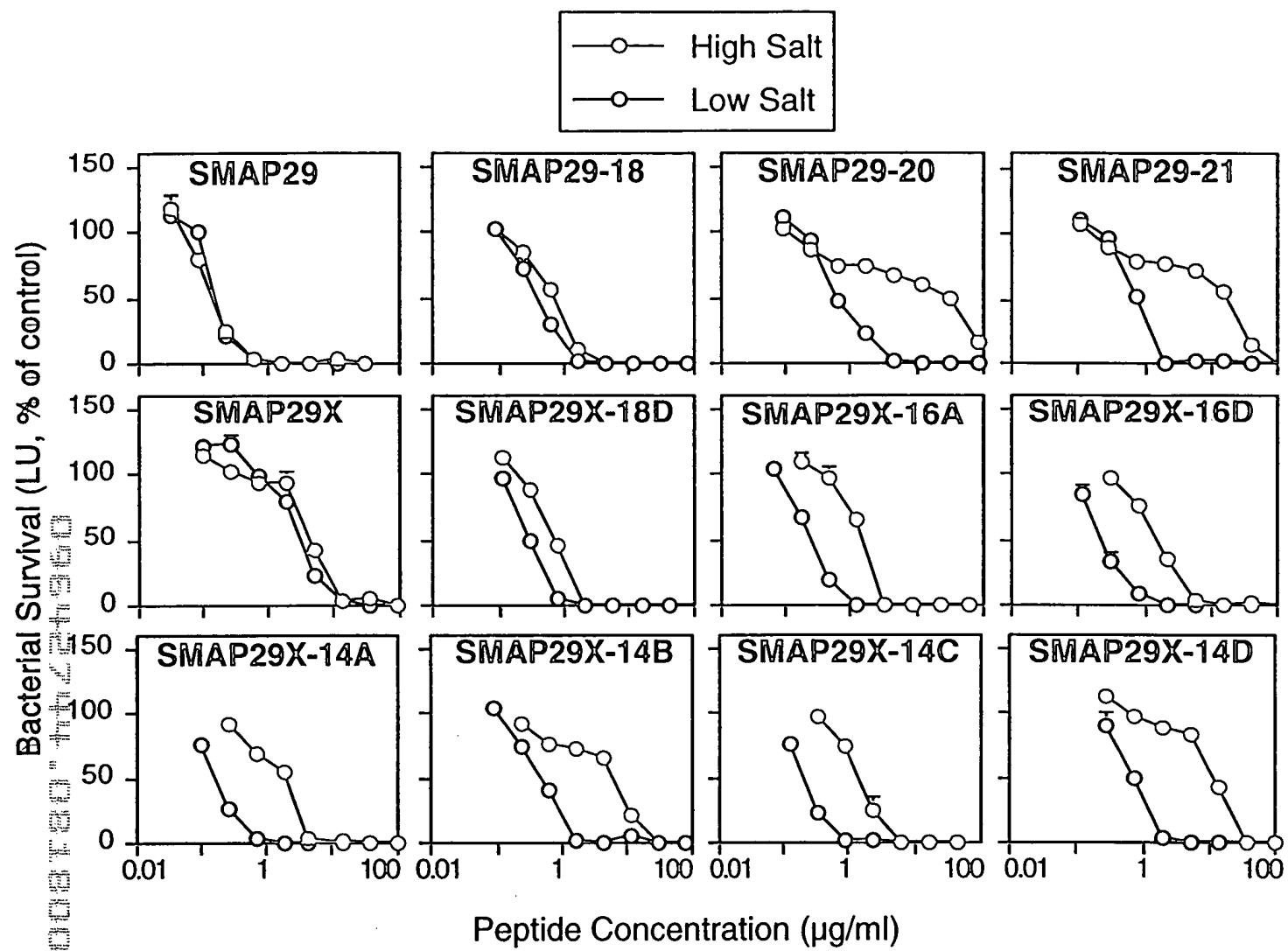


FIG. 1



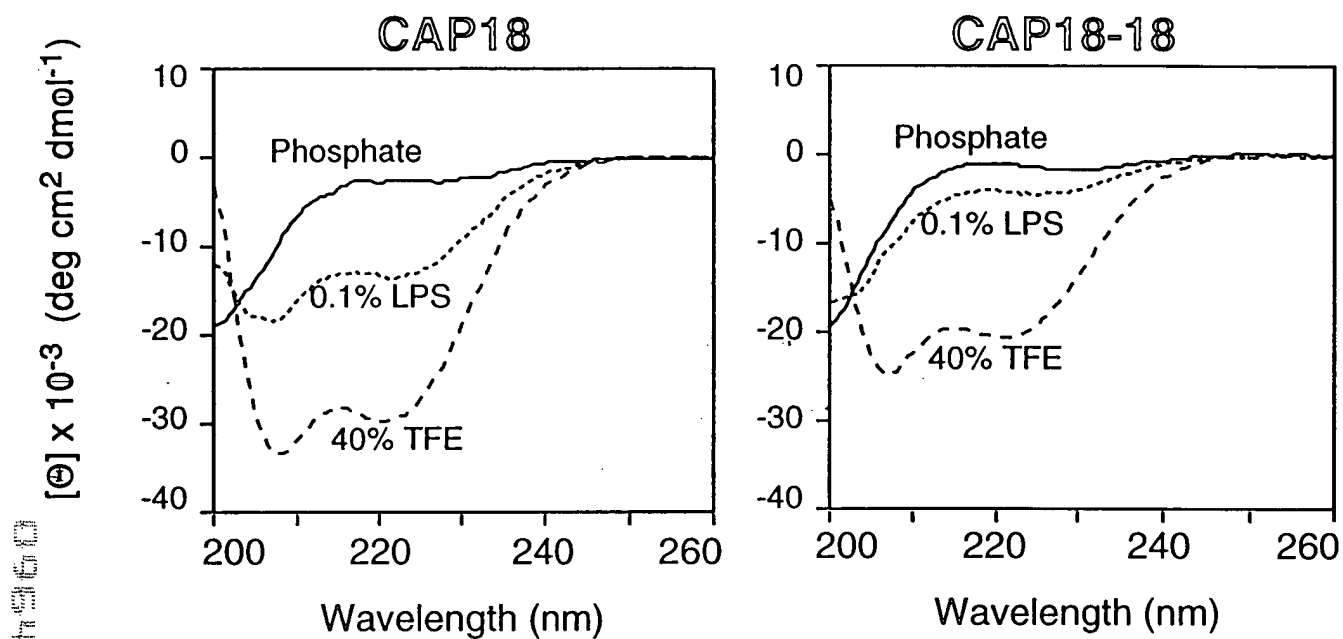
¹ Determined by the luminescence-based assay.

FIG. 2A



¹ Determined by the luminescence-based assay.

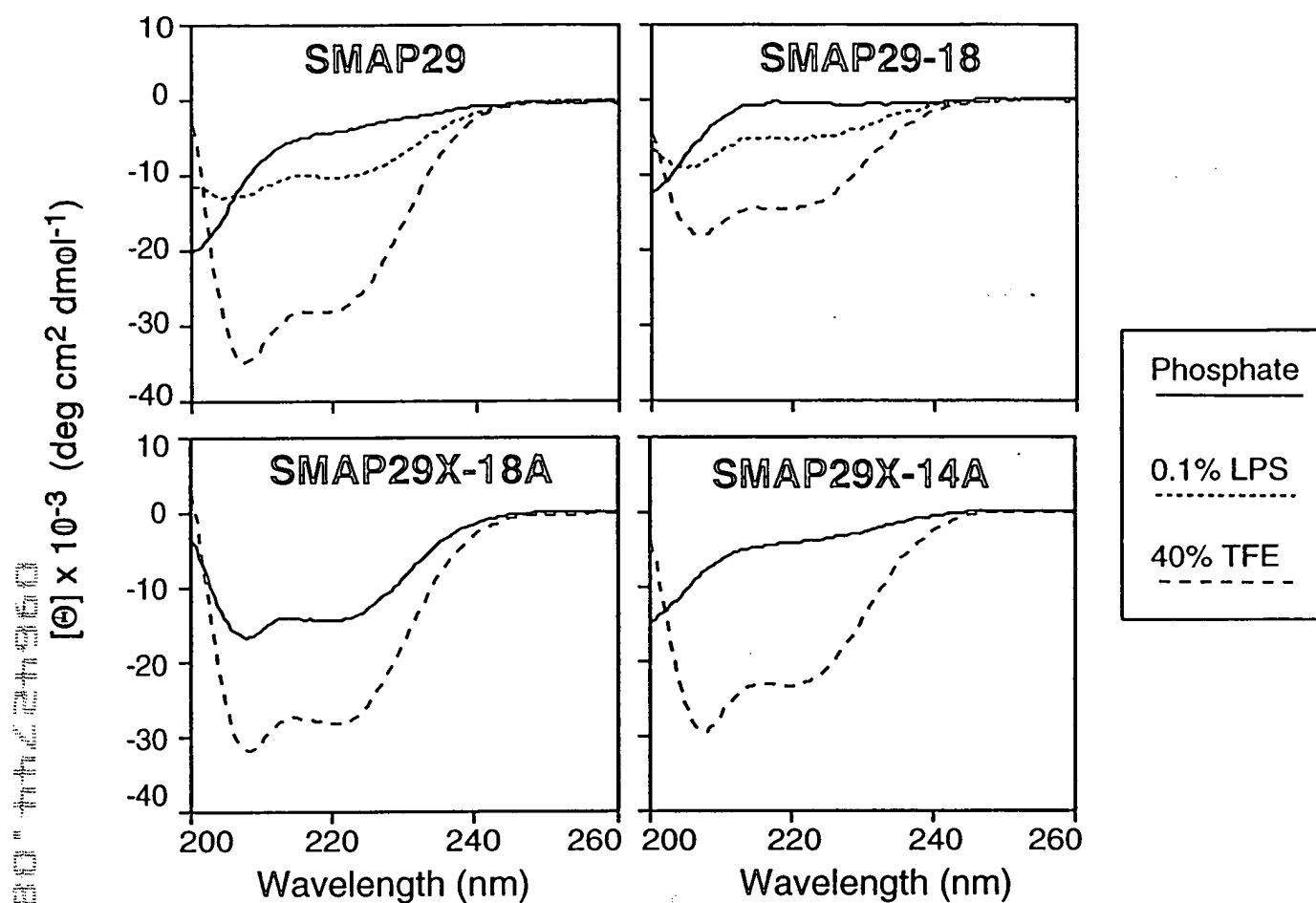
FIG. 2B



	Pi	0.1% LPS	40% TFE
CAP18	8.1	39.2	84.6
CAP18-21a	7.7	19.2	97.0
CAP18-18	3.8	13.4	64.8
CAP18-17	3.1	14.6	68.8
CAP18-15a	2.7	11.5	44.7

Helical content of CAP18 peptides. Peptides were analyzed by CD spectroscopy, and % helical content was calculated.

FIG. 3A



	Pi	0.1% LPS	40% TFE
SMAP29	12.6	30.1	80.9
SMAP29-18	2.0	16.4	45.4
SMAP29X-18A	45.6	-	88.8
SMAP29X-14A	13.9	-	77.4

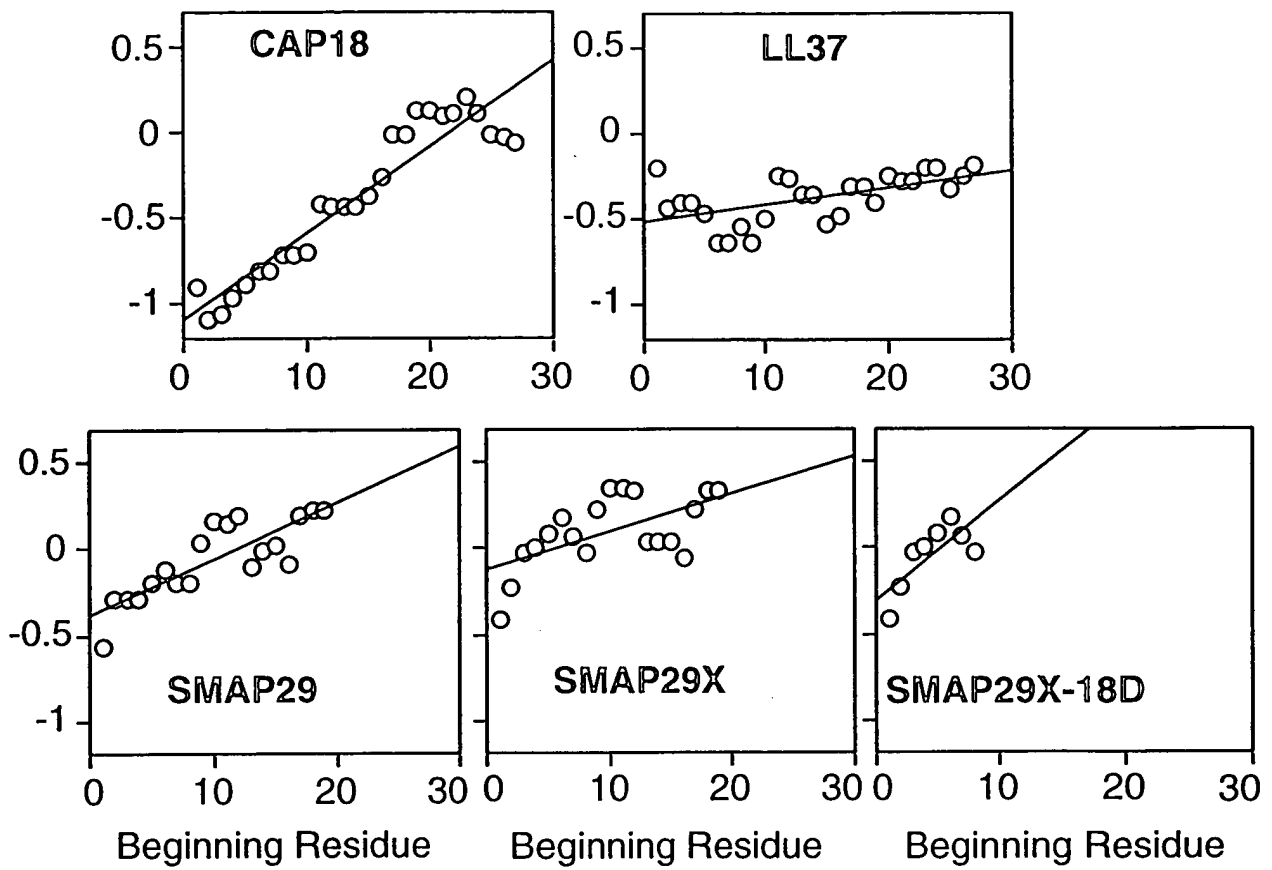
Helical content of SMAP29 peptides. Peptides were analyzed by CD spectroscopy, and % helical content was calculated.

FIG. 3B

FIG. 4A

A

Hydrophobicity of 11-Residue Window



B

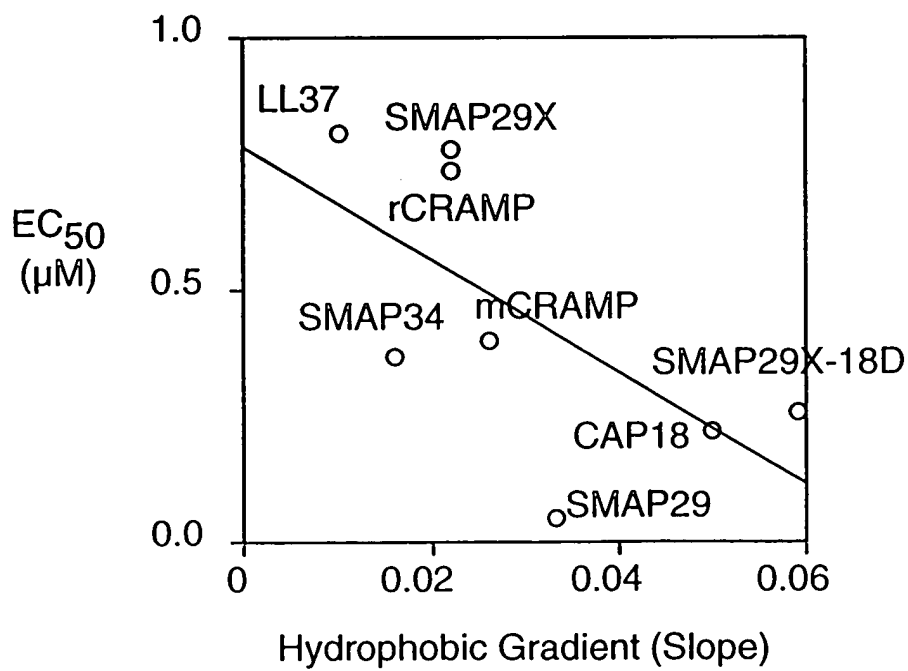


FIG. 4B

FIG. 5A

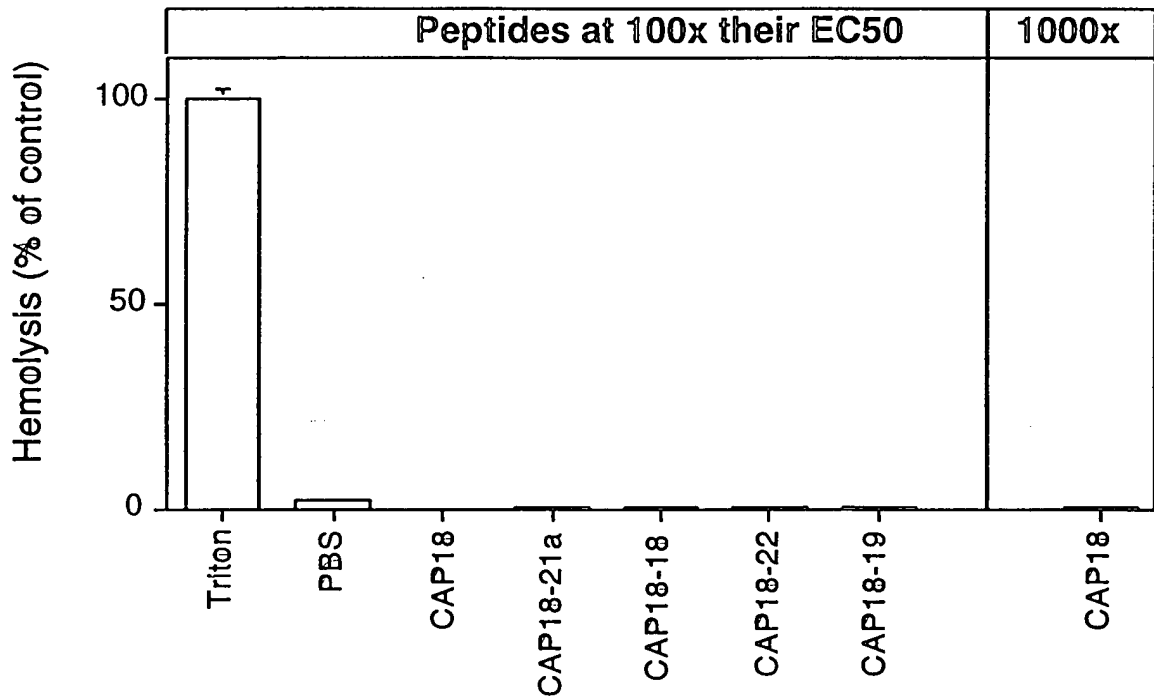
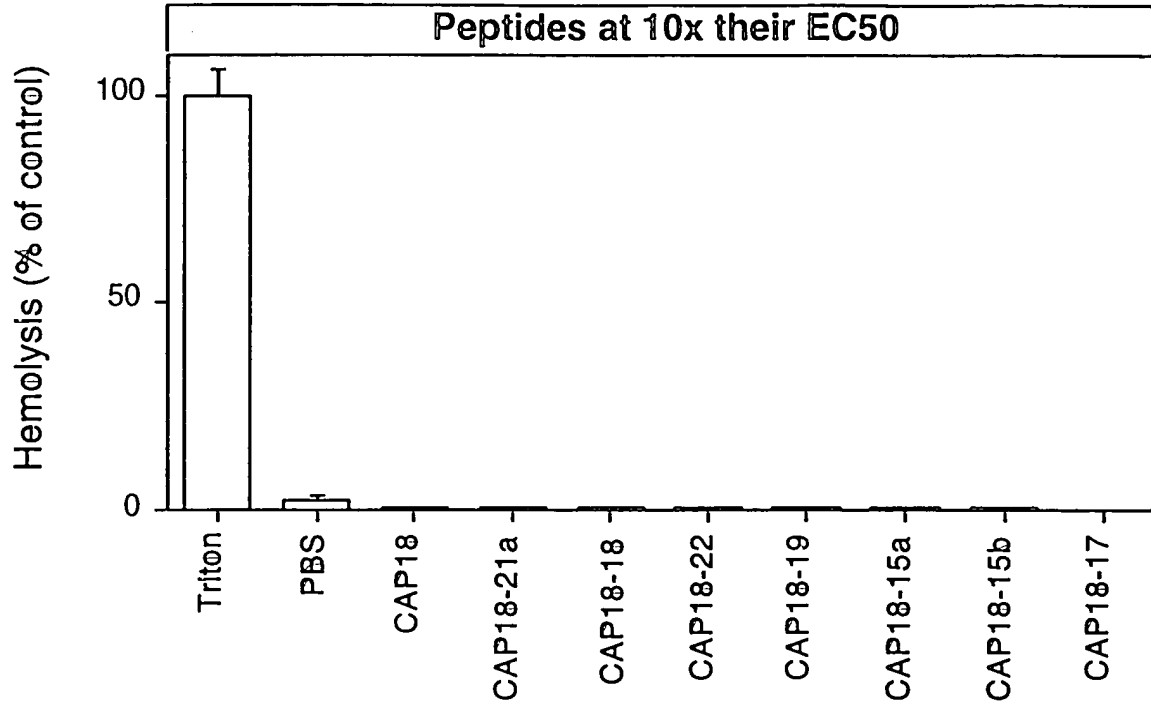
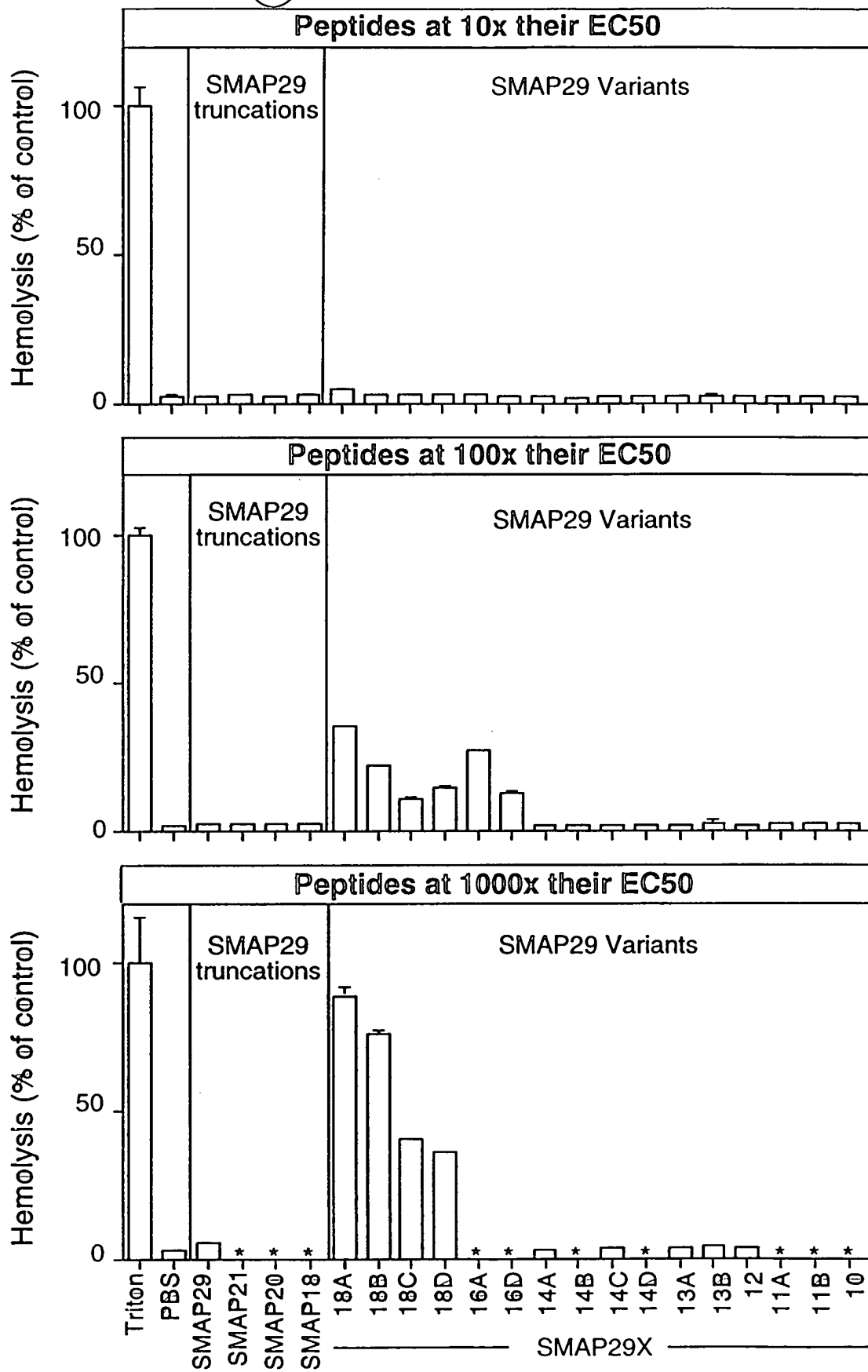


FIG. 5B



*not determined

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FIG. 6

PBS/PS

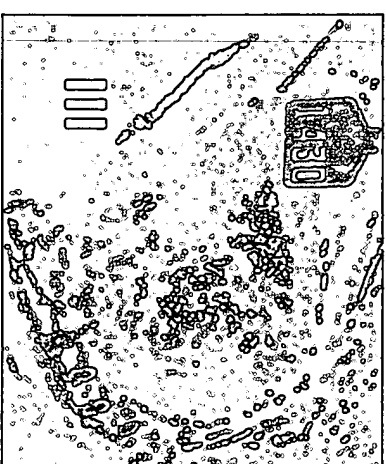


PBS/PS
+
SMAP29



PBS/PS

+
P. haemolytica



PBS/PS

+
P. haemolytica

+
SMAP29



Major Conformer A of Smap29 by 2D NMR

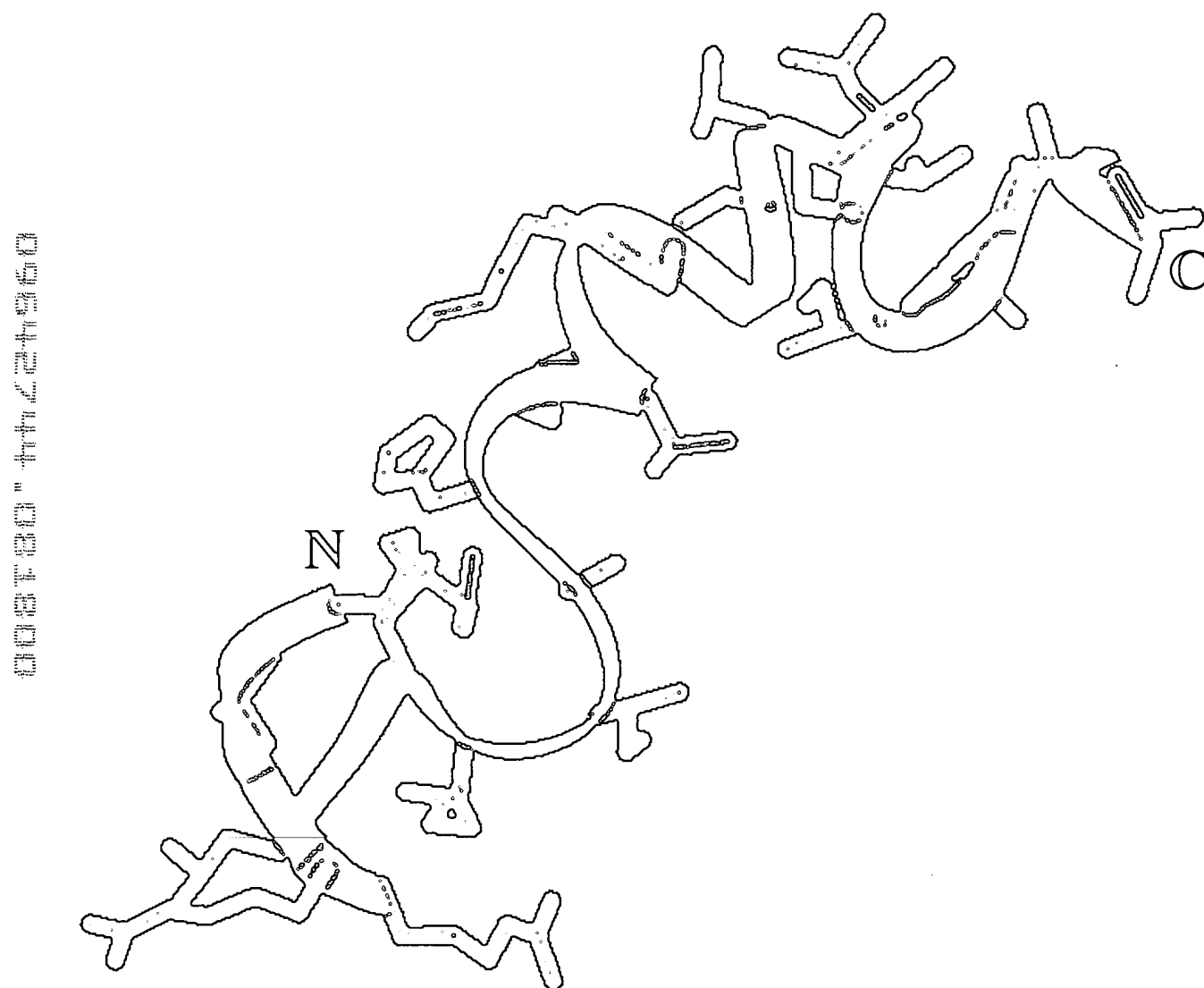


FIG. 7

Major Conformer B of Smap29 by 2D NMR

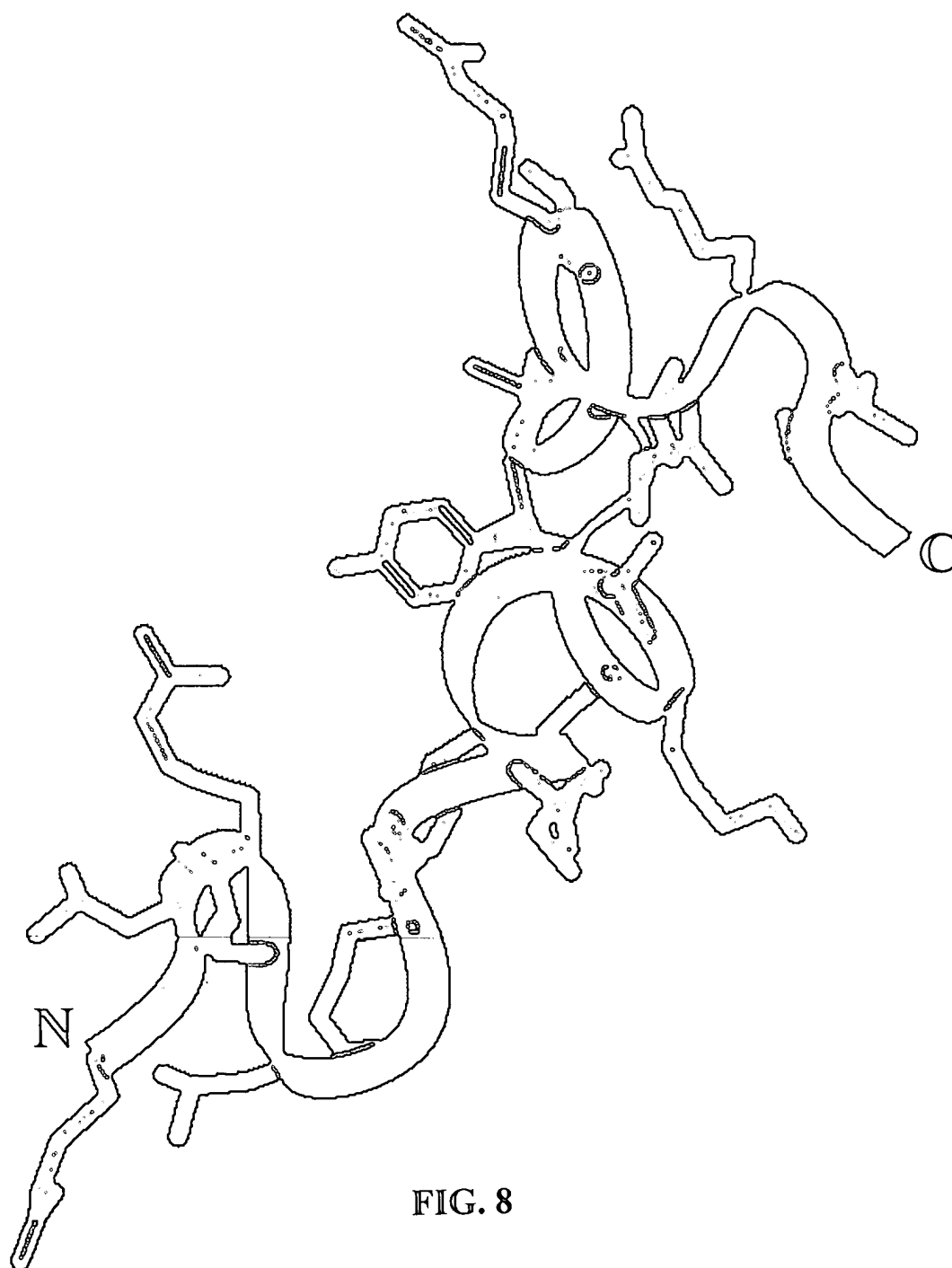


FIG. 8

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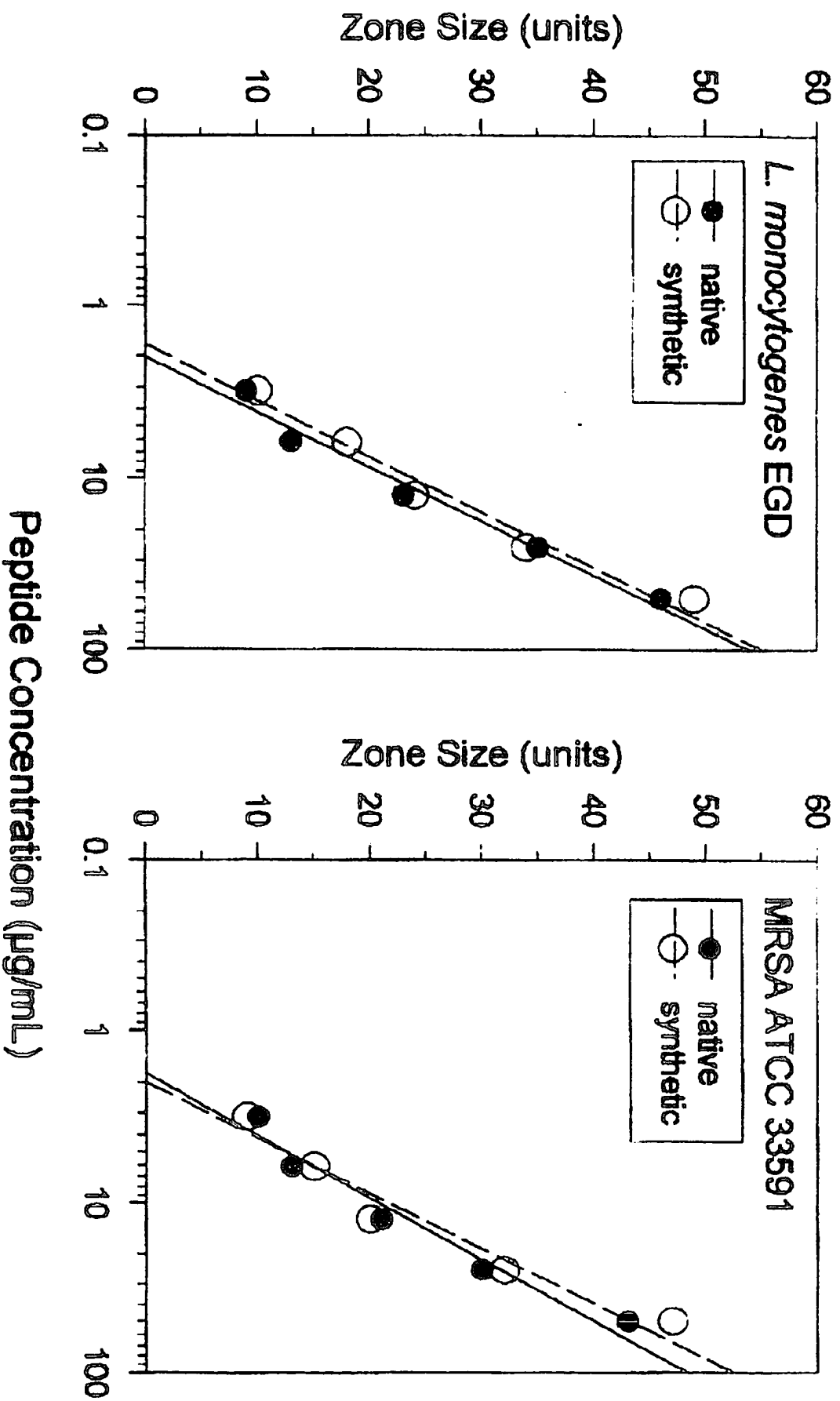


FIG. 9
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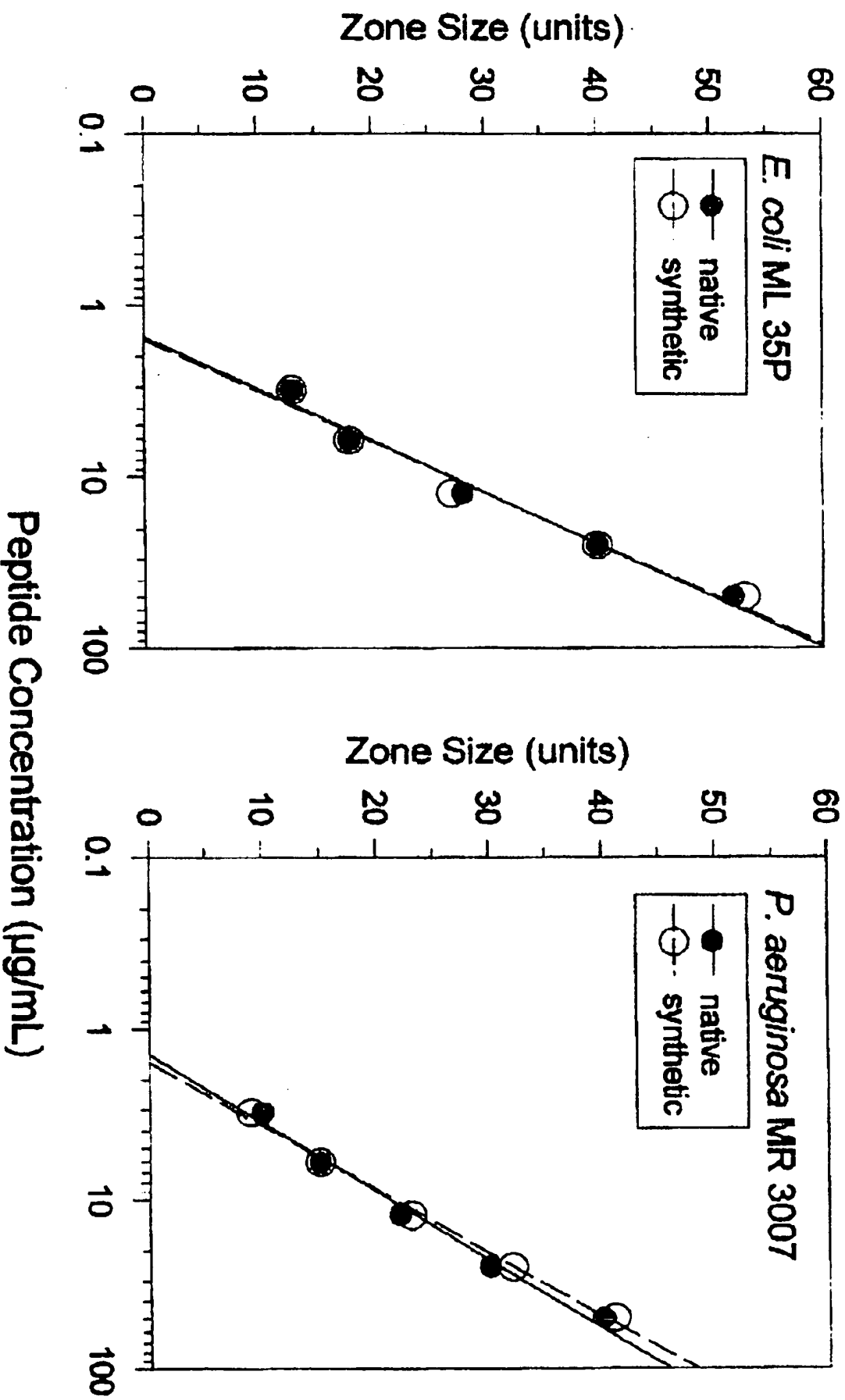


FIG. 10
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